What is claimed is:

1. A bacterium belonging to the genus *Methylobacillus*, into which a DNA which is able to be expressed is introduced, and which has an ability to produce L-lysine or L-arginine, wherein said DNA encodes a variant of a protein, the protein having a loop region and six hydrophobic helixes and is involved in secretion of L-lysine to the outside of a cell, and wherein said variant does not contain said loop region and facilitates secretion of L-lysine, L-arginine, or both to the outside of a methanol-assimilating bacterium when said DNA is introduced into said methanol-assimilating bacterium.

2. The bacterium of claim 1, wherein said variant of a protein substantially consists of only the hydrophobic helixes.

3. The bacterium of claim 1, wherein said variant has six hydrophobic helixes.

4. The bacterium of claim 1, wherein said variant is a complex comprising a peptide containing the first, second, and third hydrophobic helixes relative to the N-terminus, and a peptide containing the fourth, fifth, and sixth hydrophobic helixes relative to the N-terminus.

5. The bacterium of claim 1, wherein the protein is LysE protein.

6. The bacterium of claim 5, wherein said LysE protein is derived from a coryneform bacterium.

7. A bacterium belonging to the genus *Methylobacillus*, into which a DNA which is able to be expressed is introduced, and which has an ability to produce L-lysine or L-arginine, wherein said DNA encodes a protein selected from the group consisting of:

(A) a protein which comprises the amino acid sequence of SEQ ID NO: 10, and

(B) a protein which comprises the amino acid sequence of SEQ ID NO: 10 including substitution, deletion, insertion or addition of one or several amino acid

residues,

and wherein said protein shows an activity for facilitating secretion of L-lysine, L-arginine or both to the outside of a methanol-assimilating bacterium.

8. A method for producing L-lysine or L-arginine, comprising culturing the bacterium belonging to the genus *Methylobacillus* of claim 1 in a medium to produce and accumulate L-lysine or L-arginine in culture, and collecting L-lysine or L-arginine from the culture.

9. The method for producing L-lysine or L-arginine according to claim 8, wherein the medium contains methanol as a main carbon source.